National Weather Service
Product Description Document (PDD)

Experimental Tropical Cyclone JavaScript Object Notation (JSON) File

Part 1 - Mission Connection

1. Product Service Description:

The Tropical Cyclone JavaScript Object Notation (JSON) file provides access to all of the analysis information and forecast products produced for active tropical cyclones in the Atlantic, East Pacific, and Central Pacific basins in one location.

2. Purpose/Intended Use:

The data in the experimental Tropical Cyclone JSON file will be continuously updated to provide links to the latest products associated with the active tropical cyclones. Users can avoid reprocessing of data that has already been ingested because the latest update time is included for each individual product.

3. Audience:

This guidance is designed for sophisticated users who are able to parse JSON files to update their applications with the latest tropical cyclone analysis information and forecast products.

4. Presentation Format:

An example of the Tropical Cyclone JSON file can be found here:

https://www.nhc.noaa.gov/productexamples/NHC_JSON_Sample.json

This single file will include up to 27 URLs per tropical cyclone that link to storm-specific tropical cyclone products. Each file will contain information for every active tropical cyclone in the aforementioned basins. The string of information for a specific tropical cyclone will begin with the storm ID. The tropical cyclone storm ID is formatted as follows:

BBCCYYY (e.g., ep112017)

Where: (BB) is the basin (al - North Atlantic; ep - East

Pacific; cp - Central Pacific)
Where: (CC) is the cyclone number for that year (01, 02...)
Where: (YYYY) is the 4-digit year

Following the tropical cyclone storm ID are standardized strings of vital analysis information about the tropical cyclone, including its name, intensity, and movement. An entry for the time this information was last updated immediately follows this analysis information. The remainder of the product includes a listing of each tropical cyclone product. These products include tropical cyclone advisory text products like the tropical cyclone discussion and graphical products like the forecast cone and the most likely time of arrival of tropical-storm-force winds. Each product has sublistings that contain the tropical cyclone advisory number of the most recent product posted, the issuance time of the product, and, as applicable, the URL where the latest text file can be found, the zip file(s) with the product data URL(s), and/or the kmz format file URL(s).

The experimental Tropical Cyclone JSON file can be found here:

https://www.nhc.noaa.gov/CurrentStorms.json

5. Feedback Method:

Users are encouraged to provide feedback on this experimental product to:

Tropical.Program@noaa.gov

Mailing Address

For technical and policy questions regarding the Tropical Cyclone JSON File, please contact:

Jessica Schauer
Tropical Services Program Lead
NWS Marine, Tropical and Tsunami Services Branch
11691 SW 17th Street
Miami, FL 33165
Office Phone: 305-229-4476
Email: Tropical.Program@noaa.gov

Part 2 – Technical

1. Format and Science Basis:

The JavaScript Object Notation (JSON) format is often used for serializing and transmitting structured data over a network connection. It is used primarily to transmit data between a server and web application. Users can employ parsing to read the timestamps provided in the file to avoid reprocessing of data that has already been ingested.

2. Availability:

The data in the experimental Tropical Cyclone JSON file will be continuously updated to provide links to the latest products associated with the active tropical cyclones. The experimental Tropical Cyclone JSON file can be found here:

https://www.nhc.noaa.gov/CurrentStorms.json

A sample file is provided via this link:

https://www.nhc.noaa.gov/productexamples/NHC_JSON_Sample.json

Each product listed in the sample JSON file will always be present so long as advisories have been issued within the past 9 hours for the tropical cyclone.

3. Additional Information:

More information about Tropical Cyclone Forecast Center Products and Services can be found in NWSI 10-607 available online at:

http://www.nws.noaa.gov/directives/010/010.php

SAMPLE TROPICAL CYCLONE JSON FILE

Sample file is provided at:
https://www.nhc.noaa.gov/productexamples/NHC_JSON_Sample.json

```
{
    "activeStorms": [
        { // Begin definition of first storm
            "id": "al112017", // Storm identifier will always be 8 characters (e.g. "al062019")
            "binNumber": "AT1", // Can begin with either "EP" or "AT" and numbered 1-5
            "name": "Irma", // Storm Name
            "classification": "HU", // Storm Classification abbreviation; one of the following:
                                    //   TD - Tropical Depression
                                    //   STD - Subtropical Depression
                                    //   TS - Tropical Storm
                                    //   HU - Hurricane
                                    //   STS - Subtropical Storm
                                    //   PTC - Post-tropical Cyclone / Remnants
                                    //   TY - Typhoon (we don't use this currently)
                                    //   PC - Potential Tropical Cyclone
            "intensity": 125, // Present storm intensity (miles per hour)
            "pressure": 941, // Present storm mean sea level pressure (millibars)
            "latitude": "22.9N",  // Present storm center latitude (string)
            "longitude": "79.9W", // Present storm center longitude (string)
            "latitude_numeric": 22.9, // Present storm center latitude (decimal degrees)
            "longitude_numeric": -79.9, // Present storm center longitude (decimal degrees)
            "movementDir": 280, // Present storm movement direction (decimal degrees from North)
            "movementSpeed": 9, // Present storm movement speed (miles per hour)
            "lastUpdate": "2017-09-09T16:00:00.000Z", // The time at which this storm status summary is
                                                      // valid. Storm summary information may be updated
                                                      // more frequently than new advisories are issued.
            "publicAdvisory": { // Object describing the latest issued public/intermediate advisory
                "advNum": "042", // Advisory number. Must be a string containing a three-digit zero-padded
                                 // integer followed by an optional letter (e.g. "024A")
                "issuance": "2017-09-09T15:00:00.000Z", // Advisory issuance time
                "url": "https://www.hurricanes.gov/archive/2017/al11/al112017.public.042.shtml"
                       // Link to advisory text bulletin
            },
            "forecastAdvisory": { // Object describing the latest issued forecast advisory
                "advNum": "042", // Advisory number. Must be a string containing a three-digit zero-padded
                                 // integer.
                "issuance": "2017-09-09T15:00:00.000Z", // Advisory issuance time
                "url": "https://www.hurricanes.gov/archive/2017/al11/al112017.fstadv.042.shtml"
                       // Link to advisory text bulletin
            },
            "windSpeedProbabilities": { // Object describing information about the latest published wind
                                        // speed probabilities graphics/GIS files
                "advNum": "042", // The public/intermediate advisory number associated with the latest
                                 // wind speed probabilities graphics/GIS files
                "issuance": "2017-09-09T15:00:00.000Z", // Wind speed probabilities issuance time
                "url": "https://www.hurricanes.gov/archive/2017/al11/al112017.wndprb.042.shtml"
                       // Link to wind speed probabilities graphics webpage
            },
            "forecastDiscussion": { // Object describing latest forecast discussion
                "advNum": "042", // The public/intermediate advisory number associated with the latest
                                 // forecast discussion
                "issuance": "2017-09-09T15:00:00.000Z", // Forecast discussion issuance time
                "url": "https://www.hurricanes.gov/archive/2017/al11/al112017.discus.042.shtml"
                       // Link to forecast discussion webpage
            },
            "forecastGraphics": { // Object describing latest forecast graphics update
                "advNum": "042", // The public/intermediate advisory number associated with the latest
                                 // forecast graphics update
                "issuance":  "2017-09-09T15:00:00.000Z", // Forecast graphics issuance time
                "url": "https://www.hurricanes.gov/graphics_at1.shtml" // Link to forecast graphics webpage
            },
            "forecastTrack": { // Object describing latest 5-day track forecast
                "advNum": "042", // The public/intermediate advisory number associated with the latest
                                 // 5-day track forecast
                "issuance": "2017-09-09T15:00:00.000Z", // 5-day forecast issuance time
                "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al112017_5day_042.zip",
                           // Link to ZIP archive containing 5-day forecast track shapefiles
```

```
    "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_042adv_TRACK.kmz"
               // Link to 5-day forecast track KMZ file
},
"windWatchesWarnings": { // Object describing wind watches/warnings
    "advNum": "042", // The public/intermediate advisory number associated with the
                     // latest wind watches/warnings
    "issuance": "2017-09-09T15:00:00.000Z", // Issuance time
    "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al112017_5day_042.zip",
               // Link to ZIP archive containing wind watches/warnings shapefiles
               // (should be the same ZIP file as the 5-day forecast track)
    "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_042adv_WW.kmz"
               // Link to wind watches/warnings KMZ file
},
"trackCone": { // Object describing latest 5-day cone of uncertainty forecast
    "advNum": "042", // The public/intermediate advisory number associated with the latest
                     // 5-day cone of uncertainty forecast
    "issuance": "2017-09-09T15:00:00.000Z", // Issuance time
    "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al112017_5day_042.zip",
               // Link to ZIP archive containing cone of uncertainty shapefile
               // (should be the same ZIP file as the 5-day forecast track)
    "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_042adv_CONE.kmz"
               // Link to cone of uncertainty KMZ file
},
"initialWindExtent": { // Object describing present storm-force wind extent information
    "advNum": "042", // The public/intermediate advisory number associated with the latest
                     // initial wind extent information
    "issuance": "2017-09-09T15:00:00.000Z", // Issuance time
    "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al112017_fcst_042.zip",
               // Link to ZIP archive containing initial wind extent shapefile
    "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_initialradii_042adv.kmz"
               // Link to initial wind extent KMZ file
},
"forecastWindRadiiGIS": { // Object describing forecast wind radii information
    "advNum": "042", // The forecast advisory number associated with the latest forecast wind
                     // radii information
    "issuance": "2017-09-09T15:00:00.000Z", // Issuance time
    "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al112017_fcst_042.zip",
               // Link to ZIP archive containing forecast wind radii shapefile
               // (should be the same ZIP file as the initial wind extent)
    "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_forecastradii_042adv.kmz"
               // Link to ZIP archive containing initial wind extent shapefile
},
"bestTrackGIS": { // Object describing best track GIS file information
                  // Note that best track information is not associated with a particular
                  // forecast or public/intermediate advisory
    "zipFile": "https://www.hurricanes.gov/gis/best_track/al112017_best_track.zip",
               // Link to ZIP archive containing best track point/line/swath shapefiles
    "kmzFile": "https://www.hurricanes.gov/gis/best_track/al112017_best_track.kmz"
},
"earliestArrivalTimeTSWindsGIS": { // Object describing “earliest time-of-arrival” information
    "advNum": "042", // The public/intermediate advisory number associated with the latest
                     // “earliest time-of-arrival” information
    "issuance": "2017-09-09T15:00:00.000Z", // Issuance time
    "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_042adv_earliest_reasonable_toa_34.kmz"
               // Link to the latest “earliest time-of-arrival” KMZ file
},
"mostLikelyTimeTSWindsGIS": { // Object describing “most likely time-of-arrival” information
    "advNum": "042", // The public/intermediate advisory number associated with the latest
                     // “most likely time-of-arrival” information
    "issuance": "2017-09-09T15:00:00.000Z", // Issuance time
    "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_042adv_most_likely_toa_34.kmz"
               // Link to the latest “most likely time-of-arrival” KMZ file
},
"windSpeedProbabilitiesGIS": { // Object describing wind speed probabilities GIS files
    "issuance": "2017-09-09T12:00:00.000Z", // Issuance time
    "zipFile5km": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp_120hr5km.zip",
                  // Link to the latest 5km wind speed probabilities GIS file ZIP archive
    "zipFile0p5deg": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp_120hrhalfDeg.zip",
                     // Link to the latest 0.5 deg wind speed probabilities GIS file ZIP archive
    "kmzFile34kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp34knt120hr_5km.kmz",
                   // Link to the latest 34-knot wind speed probabilities GIS file ZIP archive
    "kmzFile50kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp50knt120hr_5km.kmz",
                   // Link to the latest 50-knot wind speed probabilities GIS file ZIP archive
    "kmzFile64kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp64knt120hr_5km.kmz"
                   // Link to the latest 64-knot wind speed probabilities GIS file ZIP archive
},
"stormSurgeWatchWarningGIS": { // Object describing storm surge watch/warning GIS file
    "advNum": "042", // The public/intermediate advisory number associated with the latest
```

```
                                // storm surge watches/warnings
                    "issuance": "2017-09-09T15:00:00.000Z", // Issuance time
                    "kmlFile": "https://www.hurricanes.gov/storm_graphics/api/AL112017_WatchWarningSS_042adv.kml"
                              // Link to the latest storm surge watches/warnings KML file
                },
                "potentialStormSurgeFloodingGIS": {
                    "advNum": "041", // The forecast advisory number associated with the latest Potential Storm
                                     // Surge Flooding Map. This product is usually delayed by 60-90 minutes
                                     // after a full forecast advisory update, so it often references the
                                     // previous advisory until the new inundation files are available.
                    "issuance": "2017-09-09T09:00:00.000Z", // Issuance time
                    "zipFile": "https://www.hurricanes.gov/gis/inundation/forecasts/AL1117_41_inundation.zip",
                              // Link to the ZIP archive containing the Potential Storm Surge Flooding Map
                              // GeoTIFF without intertidal mask applied, along with map boundary and levee
                              // areas polygon shapefiles, if any.
                    "zipFileTidalMask": "https://www.hurricanes.gov/gis/inundation/forecasts/AL1117_41_tidalmask.zip"
                                        // Link to the ZIP archive containing the Potential Storm Surge Flooding
                                        // Map GeoTIFF with intertidal mask applied, along with map boundary and
                                        // levee areas polygon shapefiles, if any.
                }
            },
            { // Begin definition of second storm
                "id": "al122017",
                "binNumber": "AT2",
                "name": "Jose",
                "classification": "HU",
                "intensity": 145,
                "pressure": 945,
                "latitude": "18.3N",
                "longitude": "61.3W",
                "latitude_numeric": 18.3,
                "longitude_numeric": -61.3,
                "movementDir": 305,
                "movementSpeed": 13,
                "lastUpdate": "2017-09-09T15:00:00.000Z",
                "publicAdvisory": {
                    "advNum": "017",
                    "issuance": "2017-09-09T15:00:00.000Z",
                    "url": "https://www.hurricanes.gov/archive/2017/al12/al122017.public.017.shtml" //Realtime:
https://www.hurricanes.gov/text/MIATCPAT2.shtml
                },
                "forecastAdvisory": {
                    "advNum": "017",
                    "issuance": "2017-09-09T15:00:00.000Z",
                    "url": "https://www.hurricanes.gov/archive/2017/al12/al122017.fstadv.017.shtml" //Realtime:
https://www.hurricanes.gov/text/MIATCMAT2.shtml
                },
                "windSpeedProbabilities": {
                    "advNum": "017",
                    "issuance": "2017-09-09T15:00:00.000Z",
                    "url": "https://www.hurricanes.gov/archive/2017/al12/al122017.wndprb.017.shtml" //Realtime:
https://www.hurricanes.gov/text/MIAPWSAT2.shtml
                },
                "forecastDiscussion": {
                    "advNum": "017",
                    "issuance": "2017-09-09T15:00:00.000Z",
                    "url": "https://www.hurricanes.gov/archive/2017/al12/al122017.discus.017.shtml" //Realtime:
https://www.hurricanes.gov/text/MIATCDAT2.shtml
                },
                "forecastGraphics": {
                    "advNum": "017",
                    "issuance":  "2017-09-09T15:00:00.000Z",
                    "url": "https://www.hurricanes.gov/graphics_at2.shtml"
                },
                "forecastTrack": {
                    "advNum": "017",
                    "issuance": "2017-09-09T15:00:00.000Z",
                    "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al122017_5day_017.zip",
                                "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL122017_017adv_TRACK.kmz"
                },
                "windWatchesWarnings": {
                    "advNum": "017",
                    "issuance": "2017-09-09T15:00:00.000Z",
                    "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al122017_5day_017.zip",
                                "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL122017_017adv_WW.kmz"
                },
                "trackCone": {
                    "advNum": "017",
```

```
            "issuance": "2017-09-09T15:00:00.000Z",
            "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al122017_5day_017.zip",
                        "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL122017_017adv_CONE.kmz"
        },
        "initialWindExtent": {
            "advNum": "017",
            "issuance": "2017-09-09T15:00:00.000Z",
            "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al122017_fcst_017.zip",
                        "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL122017_initialradii_017adv.kmz"
        },
        "forecastWindRadiiGIS": {
            "advNum": "017",
            "issuance": "2017-09-09T15:00:00.000Z",
            "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al122017_fcst_017.zip",
                        "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL122017_forecastradii_017adv.kmz"
        },
        "bestTrackGIS": {
            "zipFile": "https://www.hurricanes.gov/gis/best_track/al122017_best_track.zip",
            "kmzFile": "https://www.hurricanes.gov/gis/best_track/al122017_best_track.kmz"
        },
        "earliestArrivalTimeTSWindsGIS": {
            "advNum": "017",
            "issuance": "2017-09-09T15:00:00.000Z",
            "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL122017_017adv_earliest_reasonable_toa_34.kmz"
        },
        "mostLikelyTimeTSWindsGIS": {
            "advNum": "017",
            "issuance": "2017-09-09T15:00:00.000Z",
            "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL122017_017adv_most_likely_toa_34.kmz"
        },
        "windSpeedProbabilitiesGIS": {
            "issuance": "2017-09-09T12:00:00.000Z",
            "zipFile5km": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp_120hr5km.zip",
            "zipFile0p5deg": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp_120hrhalfDeg.zip",
            "kmzFile34kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp34knt120hr_5km.kmz",
            "kmzFile50kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp50knt120hr_5km.kmz",
            "kmzFile64kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp64knt120hr_5km.kmz"
        },
        "stormSurgeWatchWarningGIS": null, // No SSWW for this storm, so `null` keyword is used
        "potentialStormSurgeFloodingGIS": null // No PSSF Map for this storm, so `null` keyword is used
    },
    { // Begin definition of third storm
        "id": "al132017",
        "binNumber": "AT3",
        "name": "Katia",
        "classification": "PTC",
        "intensity": 35,
        "pressure": 1004,
        "latitude": "20.0N",
        "longitude": "97.9W",
        "latitude_numeric": 20.0,
        "longitude_numeric": -97.9,
        "movementDir": 240,
        "movementSpeed": 5,
        "lastUpdate": "2017-09-09T15:00:00.000Z",
        "publicAdvisory": {
            "advNum": "016",
            "issuance": "2017-09-09T15:00:00.000Z",
            "url": "https://www.hurricanes.gov/archive/2017/al13/al132017.public.016.shtml" //Realtime:
https://www.hurricanes.gov/text/MIATCPAT3.shtml
        },
        "forecastAdvisory": {
            "advNum": "016",
            "issuance": "2017-09-09T15:00:00.000Z",
            "url": "https://www.hurricanes.gov/archive/2017/al13/al132017.fstadv.016.shtml" //Realtime:
https://www.hurricanes.gov/text/MIATCMAT3.shtml
        },
        "windSpeedProbabilities": {
            "advNum": "016",
            "issuance": "2017-09-09T15:00:00.000Z",
            "url": "https://www.hurricanes.gov/archive/2017/al13/al132017.wndprb.016.shtml" //Realtime:
https://www.hurricanes.gov/text/MIAPWSAT3.shtml
        },
        "forecastDiscussion": {
            "advNum": "016",
            "issuance": "2017-09-09T15:00:00.000Z",
            "url": "https://www.hurricanes.gov/archive/2017/al13/al132017.discus.016.shtml" //Realtime:
https://www.hurricanes.gov/text/MIATCDAT3.shtml
```

```
            },
            "forecastGraphics": {
                "advNum": "016",
                "issuance":  "2017-09-09T15:00:00.000Z",
                "url": "https://www.hurricanes.gov/graphics_at3.shtml"
            },
            "forecastTrack": {
                "advNum": "016",
                "issuance": "2017-09-09T15:00:00.000Z",
                "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al132017_5day_016.zip",
                            "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL132017_016adv_TRACK.kmz"
            },
            "windWatchesWarnings": null, // No Wind W/Ws for this storm, so `null` keyword is used
            "trackCone": {
                "advNum": "016",
                "issuance": "2017-09-09T15:00:00.000Z",
                "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al132017_5day_016.zip",
                            "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL132017_016adv_CONE.kmz"
            },
            "initialWindExtent": {
                "advNum": "016",
                "issuance": "2017-09-09T15:00:00.000Z",
                "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al132017_fcst_016.zip",
                            "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL132017_initialradii_016adv.kmz"
            },
            "forecastWindRadiiGIS": {
                "advNum": "016",
                "issuance": "2017-09-09T15:00:00.000Z",
                "zipFile": "https://www.hurricanes.gov/gis/forecast/archive/al132017_fcst_016.zip",
                            "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL132017_forecastradii_016adv.kmz"
            },
            "bestTrackGIS": {
                "zipFile": "https://www.hurricanes.gov/gis/best_track/al132017_best_track.zip",
                "kmzFile": "https://www.hurricanes.gov/gis/best_track/al132017_best_track.kmz"
            },
            "earliestArrivalTimeTSWindsGIS": {
                "advNum": "016",
                "issuance": "2017-09-09T15:00:00.000Z",
                "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL132017_016adv_earliest_reasonable_toa_34.kmz"
            },
            "mostLikelyTimeTSWindsGIS": {
                "advNum": "016",
                "issuance": "2017-09-09T15:00:00.000Z",
                "kmzFile": "https://www.hurricanes.gov/storm_graphics/api/AL132017_016adv_most_likely_toa_34.kmz"
            },
            "windSpeedProbabilitiesGIS": {
                "issuance": "2017-09-09T12:00:00.000Z",
                "zipFile5km": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp_120hr5km.zip",
                "zipFile0p5deg": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp_120hrhalfDeg.zip",
                "kmzFile34kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp34knt120hr_5km.kmz",
                "kmzFile50kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp50knt120hr_5km.kmz",
                "kmzFile64kt": "https://www.hurricanes.gov/gis/forecast/archive/2017090912_wsp64knt120hr_5km.kmz"
            },
            "stormSurgeWatchWarningGIS": null,  // No SSWW for this storm, so `null` keyword is used
            "potentialStormSurgeFloodingGIS": null // No PSSF Map for this storm, so `null` keyword is used
        }
    ]
}
```